

Claims

What is claimed is:

1. A compound, RX-0047, having a sequence comprising Seq. Id. No. 2 5' 5 aatgagccaccagtgtccaa 3', targeted to a nucleic acid molecule encoding human HIF-1, wherein said oligonucleotide compound inhibits the expression of human HIF-1.
2. The compound of claim 1, wherein the compound is an antisense oligonucleotide.
- 10 3. The antisense oligonucleotide of claim 2 having at least one modified internucleoside linkage that is a phosphorothioate linkage.
4. A method of inhibiting the expression HIF-1 in human cells or tissues comprising contacting said cells or tissues with the compound of Claim 1.
- 15 5. A method of inducing cytotoxicity in a cancer cell comprising the step of introducing into the cell an oligonucleotide that hybridizes to a human HIF-1 sequence, comprising, RX-0047, Seq. Id. No. 2, 5' aatgagccaccagtgtccaa 3'.
6. A compound, RX-0149, 5' ggagctaacatctccaagtc 3', Seq. Id. No. 4, targeted to a nucleic acid molecule encoding HIF-1, wherein said compound inhibits the expression of human HIF-1.
- 20 7. The compound of claim 6, wherein the compound is an antisense oligonucleotide.
8. The antisense oligonucleotide of claim 7 having at least one modified internucleoside linkage that is a phosphorothioate linkage.
9. A method of inhibiting the expression of HIF-1 in human cells or tissues 25 comprising contacting said cells or tissues with the compound of Claim 6.
10. A method of inducing cytotoxicity in a cancer cell comprising the step of introducing into the cell an oligonucleotide that hybridizes to a human HIF-1 sequence, comprising Seq. Id. No. 4 RX-0149, 5' ggagctaacatctccaagtc 3'.